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Docket No. 242634US3

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Atsushi AYABE

SERIAL NO: NEW APPLICATION GAU:

FILED: HEREWITH EXAMINER:

FOR: DRIVING CONTROL APPARATUS FOR VEHICLE AND CONTROL METHOD OF SAME

### **INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97**

COMMISSIONER FOR PATENTS ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

#### REFERENCES

The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed
references are attached, where required, as are either statements of relevancy or any readily available English
translations of pertinent portions of any non-English language references.

☐ A check is attached in the amount required under 37 CFR §1.17(p).

#### **RELATED CASES**

Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present
application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s)
is attached along with PTO 1449.

☐ A check is attached in the amount required under 37 CFR §1.17(p).

#### **CERTIFICATION**

Each item of information contained in this information disclosure statement was first cited in a communication
from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of
this statement.

No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

### **DEPOSIT ACCOUNT**

Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment form is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

C. Irvin McClelland

Registration No. 21,124

Customer Number

22850

Tel. (703) 413-3000 Fax. (703) 413-2220 (OSMMN 05/03) DOCKET NO.: 242634US3 page <u>1</u> of <u>1</u>

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Atsushi AYABE

SERIAL NO.: New Application

FILED:

Herewith

FOR: DRIVING CONTROL APPARATUS FOR VEHICLE AND CONTROL METHOD OF SAME

# **STATEMENT OF RELEVANCY**

## Reference AO (11-287317) on Form PTO-1449:

When a predetermined condition for practicing a coast down shift should be realized is satisfied, a supply pressure of a speed change output stage side clutch is controlled so that a vehicle is maintained in a weak engine brake state. Then, the occurrence of an excessive engine brake and a large speed change shock at a coast down shift time. However, the time delay can not be avoided in this control in some case.

## Reference AP (11-287318) on Form PTO-1449:

In a transmission control, when down shifting is determined, a former shift stage side clutch hydraulic pressure is decreased, while a shift output stage side clutch hydraulic pressure is increased. Feedback control is executed so as to obtain a constant rate of transmission torque capacity of the shift output stage side clutch, without perfectly engaging the shift output stage side clutch. As a result, it is possible to always obtain engine braking force, and perform smooth transmission.